

Science Agenda

DAY 1: Monday, December 11, 2006

Poster Room Open All Day | 8:00 am – 10:00 pm | (Scripps Ballroom and Salon E)

7:30 am - 5:00 pm	Registration (Ballroom Foyer)
7:30 am - 8:30 am	Continental Breakfast (Ballroom Foyer)
Opening Session (Grande Ballroom: Salon A, B, C)	
8:30 am - 8:50 am	Welcoming Remarks Office of Governor Schwarzenegger and Dr. Robert Tukey, University of California, San Diego 20 min
8:50 am - 9:00 am	Opening Address Dr. William Suk, Director, Superfund Basic Research Program 10 min
Plenary Session 1 Please remain in Grande Ballroom: Salon A, B, C	
Plenary Session 1: Geographic Information Systems (GIS) and Environmental Monitoring	
9:00 am Speaker Introduction	Plenary Session 1 Chair: Dr. Ilya Zaslavsky, Director, UCSD Geographic Information Systems 5 min
9:05 am - 9:50 am	Dr. Budhendra Bhaduri, Director, GIS and Technology Group, Oak Ridge National Laboratory (ORNL) "TBD" 45 min
9:50 am - 10:20 am	Dr. Jon Rauscher, Environmental Protection Agency (USEPA) – Region 6 "Environmental Monitoring in the Aftermath of Hurricane Katrina " 30 min
10:20 am - 10:35 am	Graduate Student: Lisa Gallagher, Boston University "Use of Water Distribution Model to Assess Exposure to Tetrachloroethylene- Contaminated Drinking Water " 15 min
10:35 am – 11:00 am	Break (Ballroom Foyer) 25 min
Plenary Session 2 Please remain in Grande Ballroom: Salon A, B, C	
Plenary Session 2: Toxicant Exposure and Receptor Interactions	
11:00 am Speaker Introduction	Plenary Session 2 Chair: Dr. Robert Tukey, University of California, San Diego 5 min
11:05 am – 11:35 am	Dr. Stephen Safe, Texas A & M University "TBD" 30 min
11:35 am – 11:50 pm	Dr. Jeffery S. Moffit, Brown University "Dose Dependent Effects of Sertoli Cell Toxicants 2,5-Hexanedione, Carbendazim, and Mono-(2-ethylhexyl) phthalate in Adult Rat Testis" 15 min
11:50 am – 12:05 pm	Graduate Student: Christine Naspinski, Texas A & M University "Pregnane X receptor protects HepG2 cells from BaP-induced DNA damage" 15 min
12:05 pm – 12:20 pm	Graduate Student: Lauren P. Battle, Duke University "Comparative chronic liver toxicity of benzo[a]pyrene in two populations of Fundulus

	<i>heteroclitus with different sensitivities</i> " 15 min
Concurrent Lunches	
12:30 pm - 1:30 pm	Lunch (Parterre Garden)
12:30 pm - 1:30 pm	Graduate Student & Post Doc Lunch with Director's (Salon D)
Breakout Meetings Begin For Science Sessions, please remain in Grande Ballroom: Salon A, B, C	
Science Session 1: Exposure Biology and Susceptibility	
Speaker Introduction 1:45 pm	Science Session 1 Chair: Dr. Martyn Smith, University of California, Berkeley 5 min
1:50 pm - 2:20 pm	Dr. Ron Evans, The Salk Institute for Biological Studies <i>"TBD"</i> 30 min
2:20 pm - 2:35 pm	Dr. Chris Vulpe, University of California, Berkeley <i>"TBD"</i> 15 min
2:35 pm – 2:50 pm	Dr. Ajay A. Vashisht, The Scripps Research Institute (TSRI) <i>"To Understand the Molecular Mechanism of Arsenic and Cadmium Toxicity in Schizosacchomyces Pombe"</i> 15 min
2:50 pm – 3:05 pm	Dr. Chris A. Learn, Michigan State University <i>"Modulation of the B-Cell Immunologic Program by Superfund Halogenated Aromatic Hydrocarbons"</i> 15 min
3:05 pm – 3:30 pm	Break (Ballroom Foyer) 25 min
Science Session 2: Exposure and Modeling	
Speaker Introduction 3:30 pm	Science Session 2 Chair: Dr. Alan Buckpitt, University of California, Davis 5 min
3:35 pm – 4:05 pm	Dr. Alvaro Puga, University of Cincinnati <i>"Reprogramming of Histone Marks by Chromium-BaP "Interactions"</i> 30 min
4:05 pm – 4:20 pm	Graduate Student: Athena P. Nomikos, Dartmouth Medical School <i>"Arsenic Disrupts Thyroid Hormone-Induced Gene Transcription in GH3 Cells and Amphibian Tail Metamorphosis"</i> 15 min
4:20 pm – 4:35 pm	Graduate Student: Hsing-Ju Tsai, University of California, Davis <i>"Biomonitoring Methods for the Antimicrobial Agent Triclocarban: Instrumental Analysis and Immunoassay Development"</i> 15 min
4:35 pm – 4:50 pm	Graduate Student: Marni Hall, Columbia University <i>"Determinants of Arsenic Metabolism: Blood Arsenic Metabolites, Plasma Folate, Cobalamin and Homocystenine Concentrations in Maternal-Newborn Pairs"</i> 15 min
Day 1 Meeting End	
6:30 pm – 10:00 pm	Poster Reception (Scripps Ballroom and Salon E)

DAY 2: Tuesday, December 12, 2006

Poster Room Open | 8:00 am – 5:00 pm | (Scripps Ballroom and Salon E)

7:30 am - 5:00 pm	Registration (Ballroom Foyer)
7:30 am - 8:30 am	Continental Breakfast (Ballroom Foyer)
Breakout Meetings Continue For Science Sessions, please meet in Grande Ballroom: Salon A, B, C	
Science Session 3: Oxidative Stress	
Speaker Introduction 9:00 am	Science Session 3 Chair: Dr. Michael Karin, University of California, San Diego 5 min
9:05 am - 9:35 am	Dr. John F. Engelhardt, University of Iowa <i>"Endosomal NADPH Oxidase Activation Facilitates Redox-dependent Responses to Diverse Environmental Stimuli"</i> 30 min
9:35 am - 9:50 am	Dr. Ebrahim Zandi, University of Southern California <i>"Cell-Type Specific and Differential Regulation of TNFα- and IL-1β-induced Activation of IKK by Reactive Oxygen Intermediates"</i> 15 min
9:50 am - 10:05 am	Graduate Student: Dina Shnaider, Michigan State University <i>"Blimp-1 and Pax5 are Involved in the Suppression of B Cell Differentiation by TCDD"</i> 15 min
10:05 am - 10:20 am	Dr. Venkatasubbaiah A. Venkatesha, University of Iowa <i>"Polychlorinated Biphenyls Induce Oxidative Stress and Perturb Proliferation in Human Normal Breast Epithelial Cells"</i> 15 min
10:20 am - 10:45 am	Break (Ballroom Foyer) 25 min
Science Session 4: Remediation and Sensing	
Speaker Introduction 10:45 am	Science Session 4 Chairs: Drs. Julian Schroeder, University of California, San Diego and Lisa Alvarez-Cohen, University of California, Berkeley 5 min
10:50 am - 11:20 am	Dr. Raina M. Maier, University of Arizona <i>"Phytostabilization of Mine Tailings in Arid and Semi-Arid Environments"</i> 30 min
11:20 am - 11:35 am	Dr. Dong-Yul Sung, University of California, San Diego <i>"Luciferase-Based Genetic Screening of Cadmium Sensing Response Mutants"</i> 15 min
11:35 am - 11:50 am	Graduate Student: Christopher J. Grandlic, University of Arizona <i>"Evaluation of Potential Plant Growth-Promoting Bacteria and Their Use to Enhance Atriplex Lentiformis Growth in Acidic Mine Tailings"</i> 15 min
11:50 am - 12:05 pm	Graduate Student: Maiysha D. Jones, University of North Carolina-Chapel Hill <i>"Effect of Incubation Conditions on the Enrichment of Pyrene-Degrading Bacteria Identified by Stable Isotope Probing in an Aged PAH-Contaminated Soil"</i> 15 min
12:05 pm – 12:20 pm	Graduate Student: Patrick K. H. Lee, University of California, Berkeley <i>"Polychlorinated Biphenyls Induce Oxidative Stress and Perturb Proliferation in Human Normal Breast Epithelial Cells"</i> 15 min

Lunch	
12:30 pm - 1:30 pm	Lunch (Parterre Garden)
1:30 pm - 1:45 pm	Karen Wetterhahn Memorial Award Announcement (Please meet in Grande Ballroom: Salon A, B, C)
1:45 pm - 2:00 pm	Wetterhahn Scientific Presentation - To Be Announced -
Plenary Session 3 Please meet in Grande Ballroom: Salon A, B, C	
Plenary Session 3: As, Bad As It Gets	
Speaker Introduction 2:15 pm	Plenary Session 3 Chair: Dr. Larry Reed, MDB 5 min
2:15 pm - 2:30 pm	Dr. Joe Graziano, Columbia University, Mailman School of Public Health <i>"Arsenic's Diverse Impacts on Human Health"</i> 15 min
2:30 pm - 2:45 pm	Dr. Benjamin Bostick, Dartmouth College <i>"Arsenic's Unique Geophysical Properties – and Their Impacts"</i> 15 min
2:45 pm - 3:00 pm	Dr. Wendell Ela, University of Arizona <i>"Arsenic-Bearing Solid Residuals – An Opportunity to Prevent Impacts"</i> 15 min
3:00 pm - 3:15 pm	Panel Discussion/Questions and Answers 15 min Panelists: Drs. Joe Graziano, Wendell Ela, and Benjamin Bostick
3:15 pm - 3:25 pm	Break (Ballroom Foyer) 10 min
Plenary Session 4: From Lab Bench to Product	
Speaker Introduction 3:25 pm	Plenary Session 4 Chair: Beth Anderson, NIEHS 5 min
3:25 pm - 3:45 pm	Dr. Ian Kennedy, University of California, Davis <i>"Application of Magnetic and Luminescent Nanoscale Materials to Environmental Biosensors"</i> 20 min
3:45 pm - 4:25 pm	Panel Discussion/Questions and Answers 35 min Panelists: Drs. David Ozonoff, Boston University Dan Chang, University of California, Davis and Fred Pfaender, University of North Carolina-Chapel Hill
4:25 pm - 4:30 pm	Closing Address Dr. Robert Tukey, University of California, San Diego 5 min
Day 2 Meeting End	
6:00 pm - 10:00 pm	Director's Dinner (Offsite: Scripps Institute of Oceanography (SIO) Martin Johnson House)
6:00 pm	Transportation: Vans Depart Hilton Torrey Pines Hotel
6:30 pm - 10:00 pm	Director's Dinner